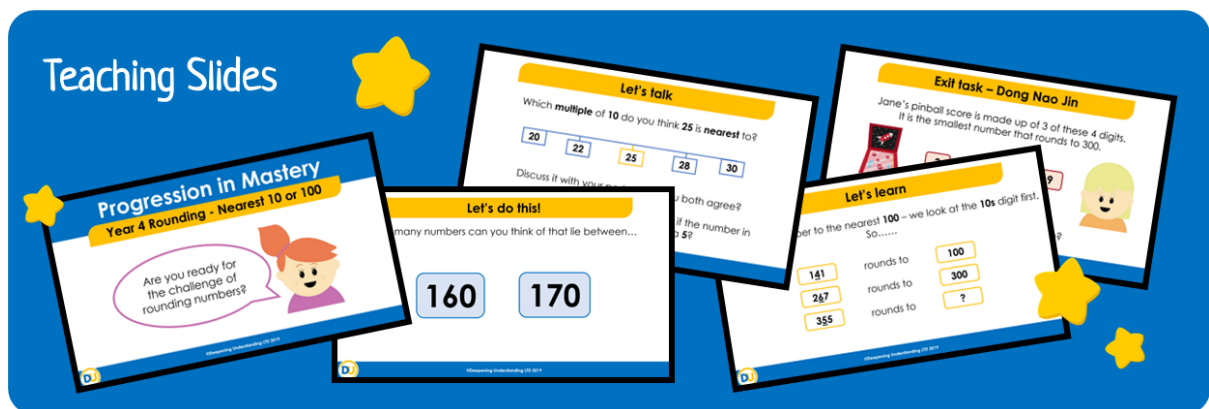


DU Year 4 Maths Planning

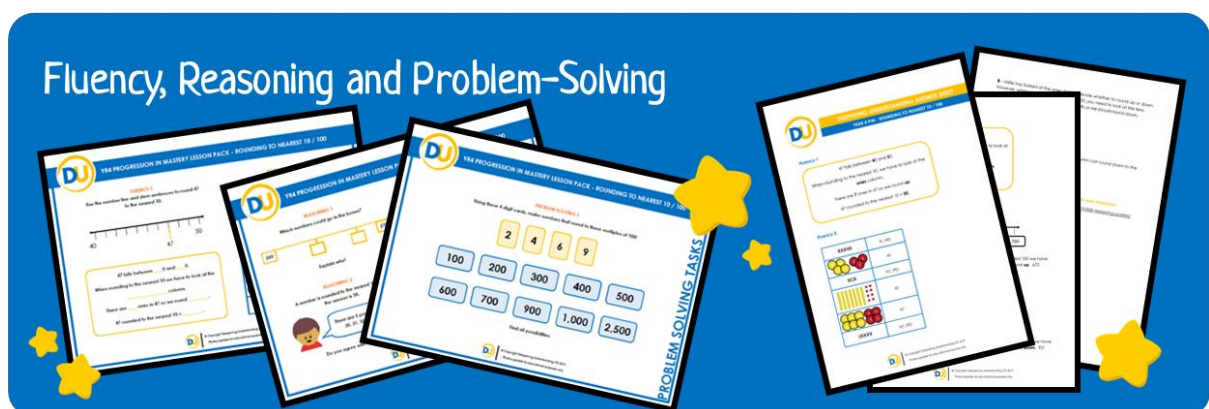
Small Steps Guide

Thanks for downloading this DU Maths Small Steps Guide for our 'Progression in Mastery' resource range. The steps we provide meet statutory and non-statutory National Curriculum standards and are designed to be compatible with other schemes such as White Rose and NCETM.

Components of our Maths PIM Range



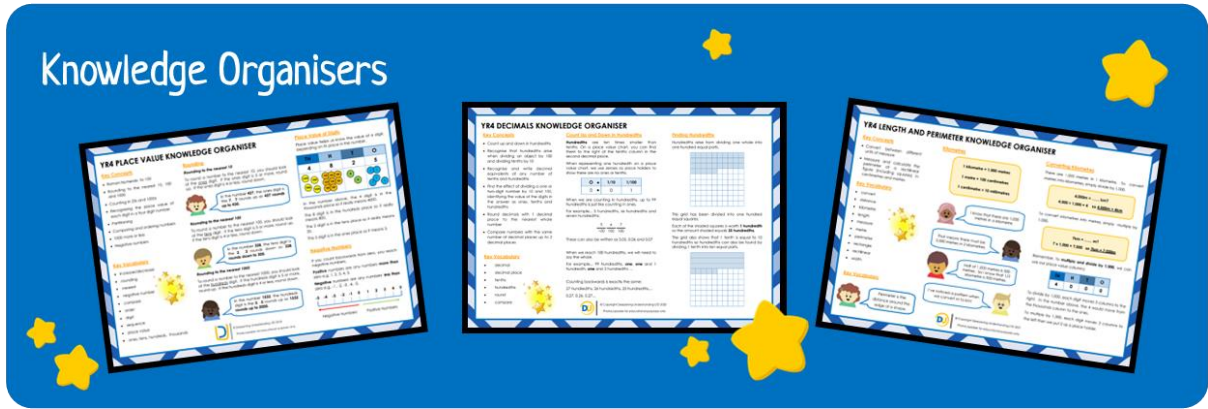
All the maths steps devised by our team come with editable teaching slides so you can easily use DU as a basis for your next lesson. The PowerPoints provided are structured in line with the philosophies of a six-part mastery lesson.



For each small step focus, you are provided with fluency application questions to consolidate learning as well as reasoning and problem solving tasks to provide challenge as pupils delve deeper into their understanding of concepts. All tasks are provided with answers, including modelled reasoning in line with our DAB (Decide, Assess, Back it up) approach. Our tasks are not differentiated: they are designed with the whole class starting at the same point and scaffolding, support and challenge offered according to pupil need.



To revise and consolidate previous learning, we offer a set of morning work slides and Securing Skills Sheets. These tasks are designed to complement our PIM packs and revisit the content taught in the previous block of work.



Our knowledge organisers can be used in many ways: for revision of taught content, for teacher subject knowledge or be shared with parents via a secure VLE.



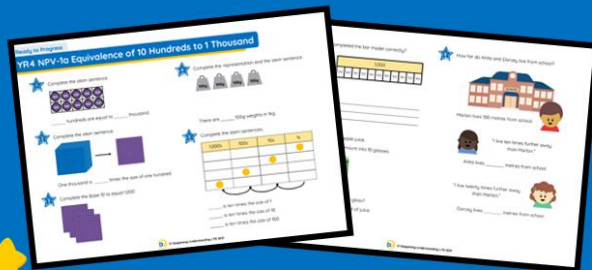
Additional tasks in the form of reasoning cards are provided. Each pack covers a broader maths objective and are useful as tasks for homework or early finishers.

NRICH Tasks



Our partnership with NRICH offers a range of exclusive 'low threshold, high ceiling' problem solving tasks. These tasks are designed to be accessible by every pupil with scope for extending the learning journey in different directions. You can also access signposted tasks and CPD articles from the NRICH tab.

Ready to Progress Tasks



These tasks are designed to be used alongside the NCETM Ready to Progress materials. They offer additional assessment questions broken down into smaller steps, enabling you to assess exactly which areas your pupils are secure in or if further instruction is required.

Discover Interactive Tasks



As a DU subscriber, you are also given access to Discover (our online learning platform). Each of our maths steps has an interactive task that you can assign to your pupils to complete on an electronic device. These tasks are automatically marked and can quickly provide you with performance data across your class with our question-by-question breakdown of results. These resources are perfect for alternative classwork, interventions and homework. Simply search the step name or number when setting up your next assignment in 'My Account'.

If you've not used Discover yet, don't worry!

All your questions and answers can be found [here](#).

Our Small Steps Collection

The grid below outlines how you may sequence each step in your Year 4 learning journey. It also allows you to reflect upon our offering and select individual steps of maths to match the approach delivered in your setting. DU always encourages you to make changes to the materials we provide to suit the needs of pupils you teach and align our materials to any school philosophies as part of your research-driven curriculum.

Year 4: Autumn Term A - Place Value

Step Number	Pack Name	RtP
001	Round to the Nearest 10 and 100	
002	Count in 1,000s	
003	1,000s, 100s, 10s, 1s	NPV 2a
004	Partitioning 4-Digit Numbers	NPV 2b NPV 2c
005	Number Line to 10,000	
006	1,000 More/Less	
007	Compare 4-Digit Numbers	
008	Order 4-Digit Numbers	
009	Round to Nearest 1,000	
010	Count in 25s	
011	Negative Numbers	
012	Roman Numerals to 100	

Year 4: Autumn Term A - Addition and Subtraction

Step Number	Pack Name	RtP
013	Add and Subtract 1s, 10s, 100s, 1000s	
014	Add Two 4-Digit numbers (no exchange)	
015	Add Two 4-Digit Numbers (1 exchange)	
016	Add Two 4-Digit Numbers (more than 1 exchange)	
017	Subtract Two 4-Digit Numbers (no exchange)	
018	Subtract Two 4-Digit Numbers (one exchange)	
019	Subtract Two 4-Digit Numbers (more than one exchange)	
020	Efficient Subtraction	
021	Estimate Answers	
022	Checking Strategies	

Year 4: Autumn Term B - Measurement: Length and Perimeter

Step Number	Pack Name	RtP
023	Kilometres	
024	Perimeter on a Grid	
025	Perimeter of a Rectangle	
026	Perimeter of Rectilinear Shapes	

Year 4: Autumn Term B - Multiplication and Division

Step Number	Pack Name	RtP
027	Multiply by 10	
028	Multiply by 100	
029	Divide by 10	
030	Divide by 100	
031	Multiply by 1 and 0	
032	Divide by 1 and Itself	
033	Multiply and Divide by 6	
034	6 Times table and Division Facts	NF 1b
035	Multiply and Divide by 9	
036	9 Times table and Division Facts	NF 1c
037	Multiply and Divide by 7	
038	7 Times table and Division Facts	NF 1d

Year 4: Spring Term A - Multiplication and Division

Step Number	Pack Name	RtP
039	11 Times Table	NF 1e
040	12 Times Table	NF 1f
041	Multiply Three Numbers	
042	Factor Pairs	
043	Efficient Multiplication	
044	Written Methods	
045	Multiply 2-Digits by 1-Digit	
046	Multiply 3-Digits by 1-Digit	
047	Divide 2-Digits by 1-Digit	
048	Divide 2-Digits by 1-Digit (remainders)	
049	Divide 3-Digits by 1-Digit	
050	Correspondence Problems	

Year 4: Spring Term A - Measurement: Area

Step Number	Pack Name	RtP
051	What is Area?	
052	Area - Counting Squares	
053	Area - Making Shapes	
054	Comparing Area	

Year 4: Spring Term B - Fractions

Step Number	Pack Name	RtP
055	What is a Fraction?	
056	Equivalent Fractions (1)	
057	Equivalent Fractions (2)	
058	Fractions Greater than 1	
059	Count in Fractions	
060	Add 2 or More Fractions	
061	Subtract Two Fractions	
062	Subtract from Whole Numbers	
063	Fractions of a Quantity	
064	Calculate Quantities	

Year 4: Spring Term B - Decimals

Step Number	Pack Name	RtP
065	Recognise Tenths and Hundredths	
066	Tenths as Decimals	
067	Tenths on a Place Value Grid	
068	Tenths on a Number Line	
069	Divide 1-Digit by 10	MD 1b
070	Divide 2-Digits by 10	
071	Hundredths	
072	Hundredths as Decimals	
073	Hundredths on a Place Value Grid	
074	Divide 1 or 2-Digits by 100	MD 1d

Year 4: Summer Term A - Decimals

Step Number	Pack Name	RtP
075	Making a Whole	
076	Write Decimals	
077	Compare Decimals	
078	Order Decimals	
079	Rounding Decimals	
080	Halves and Quarters	

Year 4: Summer Term A - Money

Step Number	Pack Name	RtP
081	Pounds and Pence	
082	Ordering Money	
083	Estimating Money	
084	Four Operations with Money	

Year 4: Summer Term A - Time

Step Number	Pack Name	RtP
085	Hours, Minutes and Seconds	
086	Years, Months, Weeks and Days	
087	Analogue to Digital 12 Hour	
088	Analogue to Digital 24 Hour	

Year 4: Summer Term B - Statistics

Step Number	Pack Name	RtP
089	Interpret Charts	
090	Comparison, Sum and Difference	
091	Introducing Line Graphs	
092	Line Graphs	

Year 4: Summer Term B - Geometry: Properties of Shape

Step Number	Pack Name	RtP
093	Identifying Angles	
094	Compare and Order Angles	
095	Triangles	
096	Quadrilaterals	
097	Lines of Symmetry	G 3a
098	Complete a Symmetrical Figure	G 3c

Year 4: Summer Term B - Geometry: Position and Direction

Step Number	Pack Name	RtP
099	Describe Position on a Grid	
100	Draw Coordinates on a Grid	G 1a
101	Move on a Grid	G 1b
102	Describe Movement	